

Abstract

The invention pertains to cynomologous monkey P-glycoproteins and related P-glycoproteins which include cynomologous-specific amino acids, as well as nucleic acids which encode those polypeptides. The present invention also includes fragments and
5 biologically functional variants of the cynomologous monkey P-glycoprotein. The invention further relates to methods of using such cynomologous monkey P-glycoprotein nucleic acids and polypeptides, especially in methods for determining bioavailability of drugs and for screening for inhibitors of cynomologous PGP. Also included are cynomologous PGP inhibitors which inhibit cynomologous PGP activity by inhibiting the expression or function
10 of cynomologous PGP.